

CLAIMS

1. A method of manufacturing a cylindrical metal-oxide varistor with improved energy absorption capability,
5 wherein electrodes are arranged making contact with the end surfaces of the metal-oxide varistor, the end surfaces of the varistor are coated with metal, and the envelope surface is supplied with a high-resistance material so as to form a zone with enhanced resistivity close to the
10 envelope surface, **characterized** in that a metal-oxide powder is formed into a cylindrical body, that the envelope surfaces is coated with a paste or a dispersion of a high-resistance material by spraying, dip-painting, rolling, or some other equivalent method, and that the
15 coated varistor body is sintered.
2. A method according to claim 1, **characterized** in that, during the sintering, the high-resistance material diffuses into the surface zone of the envelope surface of the
20 metal-oxide varistor to a depth of 2-6 mm.
3. A method according to claim 1, **characterized** in that the envelope surface of the formed, non-sintered varistor body is coated with an aqueous dispersion of SiO_2 , LiO_2 or
25 Cr_2O_3 .
4. A method according to claim 1, **characterized** in that the coated varistor body is sintered at 1100-1300°C for 2-10 h.